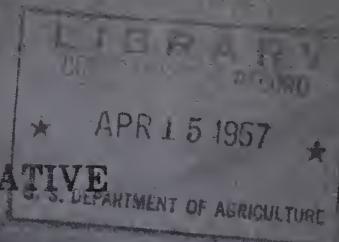


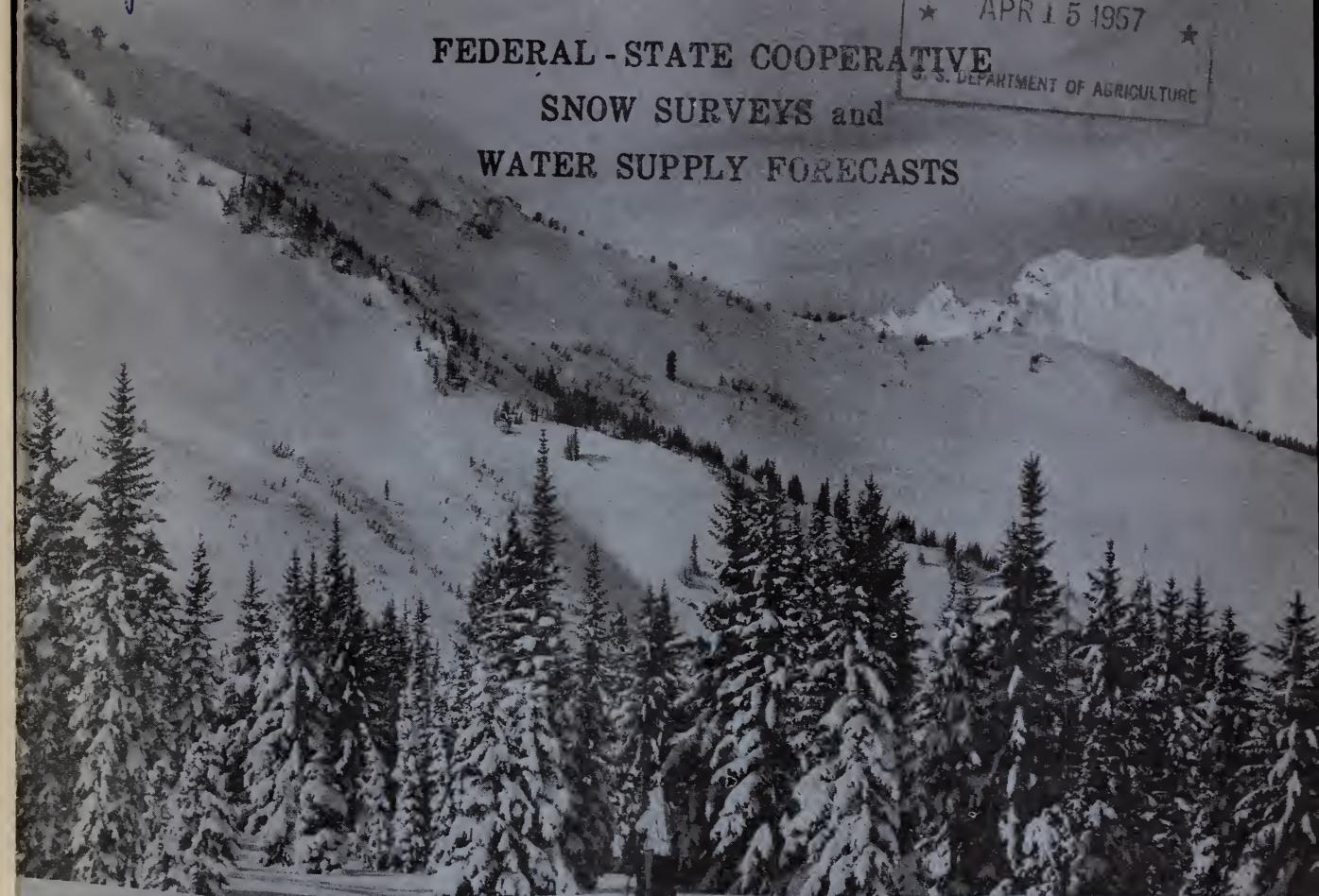
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FEDERAL - STATE COOPERATIVE
SNOW SURVEYS and
WATER SUPPLY FORECASTS



for

Colorado, Rio Grande, Platte, and
Arkansas Drainage Basins

UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE.
and
COLORADO AGRICULTURAL EXPERIMENT STATION and
STATE ENGINEER of NEW MEXICO

Data included in this report were obtained by the agencies named above
in cooperation with the U. S. Forest Service, National Park Service,
Bureau of Reclamation, State Engineers of Colorado and Wyoming; and
other Federal, State and local organizations.

AS OF
APR. 1, 1957

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

TO RECIPIENTS OF COOPERATIVE SNOW SURVEY
AND WATER SUPPLY FORECAST REPORTS:

Snow surveys in the West are conducted each year at more than 1200 snow courses. Basin and Province or State snow survey reports summarizing the results of the measurements and forecasts of seasonal runoff and water supply are issued by the Soil Conservation Service, U. S. Department of Agriculture and some of its co-operators; the Water Rights Branch of the British Columbia Department of Lands and Forests; and the California Division of Water Resources.

Copies of the various federal-state cooperative snow survey reports listed below may be secured by writing to:

Head, Water Supply Forecasting Section
Soil Conservation Service
209 S. W. 5th Avenue
Portland 4, Oregon

BASIN REPORTS:

Colorado, Rio Grande...Issued monthly February through May by SCS and
and Platte-Arkansas Colorado Experiment Station, Fort Collins, Colorado.*
River Basins

Columbia River.....Issued monthly January through May by Soil Conserva-
tion Service, Boise, Idaho.*

Upper Missouri.....Issued monthly February through May by SCS and
River Basin Montana Agricultural Experiment Station, Bozeman,
Montana.*

West-Wide Water.....Issued April 1 by Soil Conservation Service and
Supply Outlook Cooperators, Portland, Oregon.

STATE REPORTS:

Arizona.....Issued semi-monthly January 15 through April 1 by SCS
and Salt River Valley Water Users Association, Phoenix,
Arizona.*

Nevada.....Issued monthly February through April by SCS and
Nevada State Engineer, Reno, Nevada.*

Oregon.....Issued monthly January through May by SCS, Portland,
Oregon, and Oregon Agricultural Experiment Station.*

Utah.....Issued monthly January through May by SCS, Salt Lake
City, Utah, and State Engineer of Utah and Utah Agri-
cultural Experiment Station.*

Washington.....Issued monthly February through May by SCS, Spokane,
Washington, and State Department of Conservation and
Development.*

Wyoming.....Issued monthly February through May by SCS, Casper,
Wyoming, and State Engineer of Wyoming.*

*Special reports are issued as needed.

The British Columbia reports are issued February 1 through June 1 and may be
secured from Comptroller, Water Rights Branch, Department of Lands and Forests,
Parliament Buildings, Victoria, B. C.

The California reports are issued monthly February 1 through May 1 and may be
secured from Division of Water Resources, California Department of Public
Works, Sacramento, California.

The annual water supply forecasts of the Weather Bureau are available in monthly
bulletins published from January through May. These bulletins entitled, "Water
Supply Forecasts for the Western United States" may be obtained from River Fore-
cast Center, Weather Bureau, 712 Federal Office Building, Kansas City 6,
Missouri.

FEDERAL-STATE COOPERATIVE
SNOW SURVEYS AND WATER SUPPLY FORECASTS

for

COLORADO RIVER, PLATTE RIVER
ARKANSAS RIVER AND RIO GRANDE
DRAINAGE BASINS

Issued

April 9, 1957

Report Prepared By
Homer J. Stockwell, Snow Survey Supervisor
Fort Collins, Colorado
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Fort Collins, Colorado

United States Department of Agriculture
Soil Conservation Service
and
Colorado Agricultural Experiment Station
Fort Collins, Colorado
and
State Engineer of Colorado
Denver, Colorado
and
State Engineer of New Mexico
Santa Fe, New Mexico

Issued By

Kenneth W. Chalmers
State Conservationist
Soil Conservation Service

J. E. Whitten
State Engineer
State of Colorado

Sherman S. Wheeler, Director
Colorado Agricultural
Experiment Station

S. E. Reynolds
State Engineer
State of New Mexico

General Series Paper No. 653
Colorado Agricultural Experiment Station

Snow Survey measurements in Wyoming, Utah, and Arizona are supplied by Snow Survey Supervisors in those states.

WATER SUPPLY OUTLOOK
COLORADO, PLATTE, ARKANSAS AND RIO GRANDE
DRAINAGE BASINS
April 1, 1957

WATER SUPPLY OUTLOOK FOR COLORADO AND NEW MEXICO CONTINUED TO IMPROVE DURING MARCH AND IS THE BEST SINCE 1952. IRRIGATION WATER SUPPLIES WILL BE GENERALLY ADEQUATE ON THE WEST SLOPE OF BOTH STATES. SOME SHORTAGES ARE STILL EXPECTED FOR THE LOWER ARKANSAS AND SOUTH PLATTE VALLEYS BUT THE OUTLOOK IS BETTER THAN A YEAR AGO. SAN LUIS VALLEY CAN EXPECT NEAR NORMAL WATER SUPPLY BUT SUPPLY WILL NOT MEET ALL DEMANDS. THE FLOW OF THE RIO GRANDE THROUGH NEW MEXICO WILL BE LESS THAN AVERAGE BUT ABOVE ANY YEAR SINCE 1952. SURFACE WATER SUPPLY OUTLOOK FOR ARIZONA CONTINUES TO BE EXTREMELY POOR.

SNOW MEASUREMENTS IN THIS REPORT WERE MADE BEFORE THE HEAVY STORM OF APRIL 2 WITH FEW EXCEPTIONS. SPOT CHECKS OF SNOW PACK HAVE BEEN MADE FOLLOWING THE STORM. THE STORM HAS BEEN CONSIDERED IN STREAMFLOW FORECASTS AND IN APPRAISING WATER SUPPLY OUTLOOK.

The snow pack on practically every snow course in both Colorado and New Mexico was above normal on April 1, 1956, ranging up to 150 percent of normal along the Continental Divide. As has been the case in the past four years, stream flow for a given snow pack will be less than indicated by percent of normal snow water content. Stream flow, except for the Rio Grande in New Mexico, is forecast within 10 to 15 percent of normal near the mountains. Normal stream flow does not necessarily mean adequate water supplies because present demands for water exceed the normal supply especially east of the divide. The heavy snow storm improved soil moisture conditions in eastern Colorado and has the effect of reducing early water demands. This may allow for some recovery of depleted storage reserves.

SOUTH PLATTE. Water supplies for irrigated areas near the mountains should be reasonably adequate, but not plentiful, with supplemental water from the Colorado-Big Thompson Project. The flow of Boulder and Clear Creeks and the Upper South Platte will be less than normal. Some shortage on these streams should be expected. The mountain soils on these watersheds are extremely dry. Continued water shortage is in prospect along the South Platte from Kersey to Julesburg, but it should not be as severe as in 1956. A continuation of the present heavy precipitation will be necessary to improve outlook on the Lower South Platte.

ARKANSAS. The snow pack on the Arkansas River and its southern tributaries continues to be above average. Near normal stream flow is expected in and near the mountains but mild to severe shortage appears certain for the lower valley area. Streamflow should be at least 25 percent above that for 1956. Reservoir storage is again practically non-existent. Opportunities for refill, except for the Twin Lakes Diversion, will be limited. Soil moisture conditions were improved by the early April storm between Pueblo and La Junta but must be considered poor for the valley as a whole.

RIO GRANDE. The water supply outlook for the Rio Grande and tributaries is far from near normal stream flow into San Luis Valley, approximately three-quarters of normal into the Middle Rio Grande Valley of New Mexico and half of normal into Elephant Butte Reservoir. While the outlook is the best in four years on this stream, mild shortage of surface water will occur in San Luis Valley and continued severe shortages are in order for the New Mexico sections. Continued use of groundwater will be necessary. El Vado reservoir is practically empty but inflow should be above normal. Enough snow has already melted to wet soils at the 9,000 foot level. Elephant Butte and Caballo reservoirs contain less than 10 percent of the normal carryover and one-half of that of a year ago. Reservoir storage in San Luis Valley is a small fraction of normal. The water supply outlook for the Carlsbad and Tucumcari areas is poor due to lack of reservoir storage and drought in the irrigated area.

COLORADO RIVER. Water supply should be generally adequate in Western Colorado in 1957. Since considerable snow fall has occurred at lower elevations soil moisture conditions are good and water supply outlook for areas along small tributaries is better than for the past four years. Total summer flow will be near normal and may exceed normal on most of the larger tributaries. Mountain snow pack is generally about 120 percent of normal. As with other water sheds, stream flow estimates are reduced because of dry mountain soils and a series of drought years.

Colorado River flow into Lake Mead is expected to be near normal and substantially above that for 1956.

NORTH PLATTE. Inflow to Seminoe Reservoir is expected to be near and will probably exceed average. Storage in the four major reservoirs in Wyoming is down about 20 percent from a year ago and 85 percent of normal. Of 564,000 acre-feet in storage, 146,000 acre-feet is assigned to the older North Platte project. Soil moisture in irrigated areas is deficient but slightly improved due to the recent storm. The water supply outlook along this stream in Eastern Wyoming and Western Nebraska is for near normal water supply and is similar to that for 1956. For the Wheatland area on the Laramie River, the water supply will be about three-quarters of average which indicates another year of shortage. Improvement in mountain snow pack and soil moisture in the irrigated area has occurred during the past few days.

STREAMFLOW FORECASTS

APRIL-SEPTEMBER INCLUSIVE

April 1, 1957

BASIN AND STREAM	1957	1957 in	15-Yr.	BASIN AND STREAM	1957	1957 in	15-Yr.
	Forecast 1000 AF	% Avg. 1938-52	Avg. 1938-52		Forecast 1000 AF	% Avg. 1938-52	Avg. 1938-52
NORTH PLATTE							
Sweetwater at Alcova	69	95	86	Gunnison at Gr. Junction	1600	106	1510
North Platte at Saratoga	700	107	657	San Juan at Rosa, N.M.	800	113	703
Medicine Bow near Hanna	116	105	111	Piedra at Piedra	215	100	215
Laramie at Jelm	115	109	105*	Los Pinos nr Bayfield*	250	110	228
SOUTH PLATTE							
Poudre at Canon*	240	109	220	Florida nr Durango	70	101	69
Big Thompson at Drake *	100	90	111	Animas at Durango	550	105	522
Saint Vrain at Lyons	80	91	88	La Plata at Hesperus	28	93	30
Boulder at Orodell	50	91	55	Dolores at Dolores	275	88	314
Clear Creek at Golden*	140	100	141	Colorado nr Grand Canyon, Arizona	10,100	100	10,069
ARKANSAS							
Arkansas at Salida*	375	116	323	GREEN RIVER			
Arkansas at Pueblo*	400	100	401	Green at Linwood, Utah	1175	90	1302
Cucharas at La Veta	15	94	16	Little Snake at Lily	315	86	365
Purgatoire at Trinidad	30	53	57	Elk at Clark	215	100	214
COLORADO							
Colorado nr Granby*	225	113	199	Yampa at Steamboat Spgs.	310	110	281
Willow nr Granby	45	105	43	White at Meeker	390	116	336
Frazer at Granby	95	96	101	RIO GRANDE			
Blue abv Green Mt. Res.	310	101	307	South Fork at South Fork	140	106	132
Colorado at Glenwood Spgs.*	1700	110	1540	Rio Grande at Del Norte*	565	100	565
Roaring Fork at Glenwood	900	115	777	Alamosa above Terrace Res.	85	109	78
Plateau Creek at Colbran	60	97	62	Conejos at Mogote	240	109	220
Uncompahgre at Colona	145	85	170	Culebra at San Luis	25	83	30
Surface Cr. nr Cedaredge	18	100	18	Inflow to El Vado Res.	285	108	265

COOPERATIVE SNOW SURVEYS

SUMMARY OF SNOW MEASUREMENTS

April 1, 1957

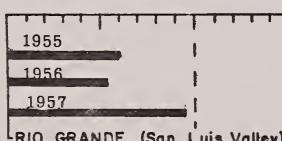
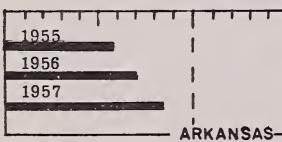
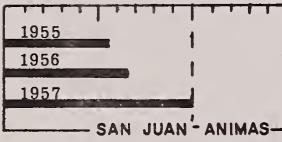
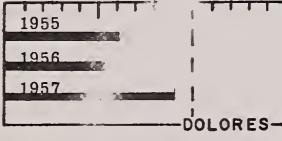
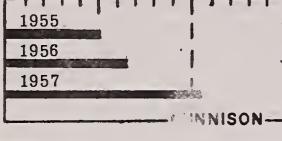
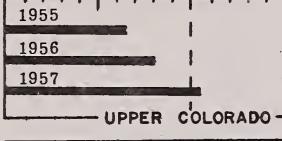
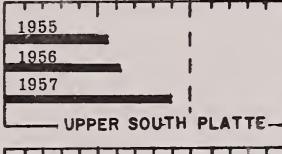
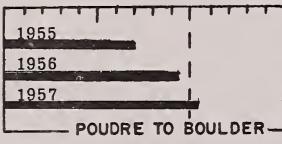
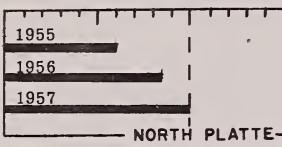
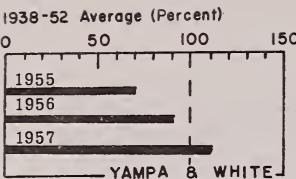
WATERSHEDS	No. of Courses Averaged	Years of Record	Water Content as percent of 1956	Avg.	WATERSHEDS	No. of Courses Averaged	Years of Record	Water Content as percent of 1956	Avg.					
ARKANSAS RIVER														
Arkansas River	8	8-21	138	130	Sweetwater	2	17-20	71	92					
COLORADO RIVER														
Colorado River*	21	8-21	104	121	North Platte River	11	19-21	112	123					
Roaring Fork	4	9-21	122	135	Laramie River	8	8-21	101	125					
Plateau Creek	2	17-20	125	104	South Platte River**	3	8-21	101	119					
Yampa River	5	21	117	127	Poudre River	7	8-21	96	126					
White River	2	20-21	139	138	Big Thompson River	3	8-19	86	106					
Gunnison River	10	8-21	130	116	St. Vrain River	2	8-20	88	95					
Dolores River	3	8-21	145	117	Boulder Creek	1	20	79	104					
Green River (Wyo.)	6	17-20	77	105	Clear Creek	3	8-21	80	104					
San Juan River	5	15-21	161	131	RIO GRANDE									
Animas River	2	20-21	145	137	Rio Grande (Colo.)	9	8-21	156	127					
Gila River	--	--	--	--	Rio Grande (N. M.)	9	8-20	565	121					
Salt River	5	16-19	--	--	Conejos River	5	8-21	161	133					
Verde River	6	10-11	--	--	Chama River	4	15-21	271	133					
Little Colo. River	5	10-19	--	--	Pecos River	2	15-10	--	76					
Williams River	3	11	--	--	Canadian River	3	15-20	412	131					
Lower Colo. River	4	10	445	83	Alamosa River	2	17-20	157	143					

*Above Glenwood Springs

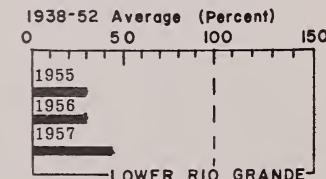
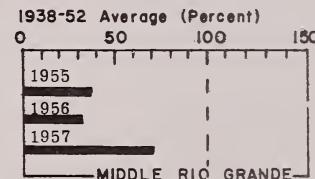
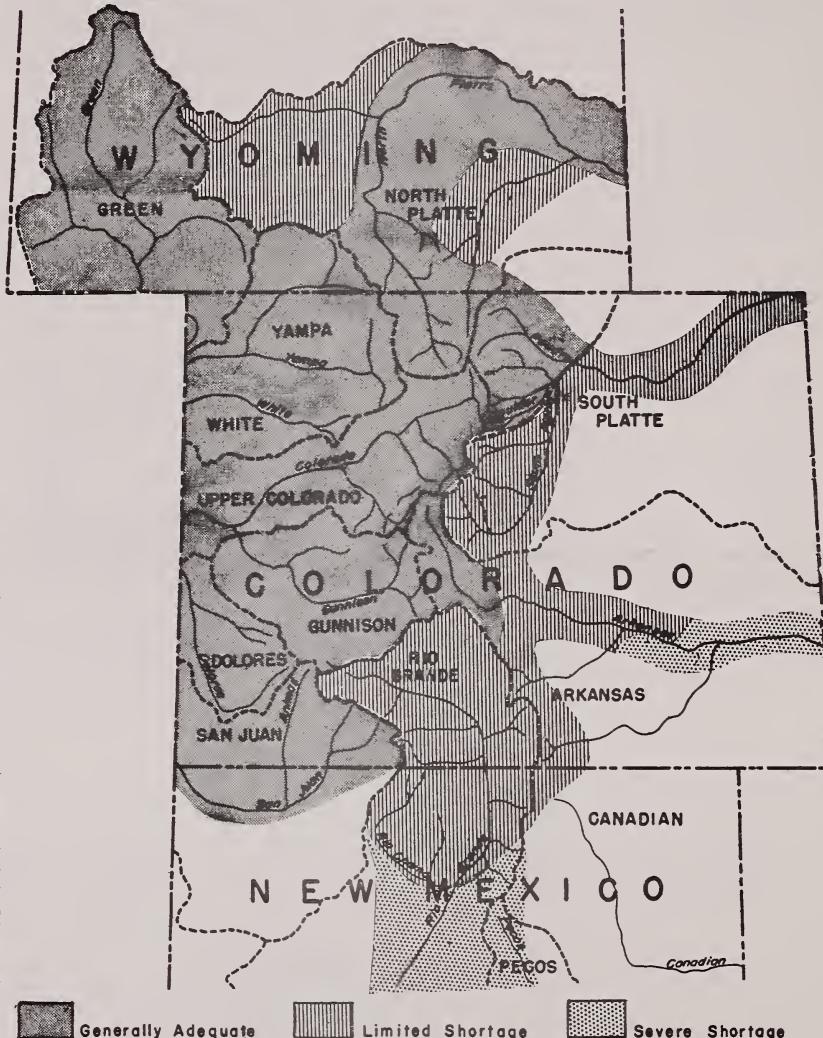
****Above Denver**

WATER SUPPLY OUTLOOK

CHARTS ON THIS PAGE INDICATE THE MOST PROBABLE WATER SUPPLY AS OF THE DATE OF THIS REPORT. ESTIMATES ASSUME AVERAGE CONDITIONS OF SNOW FALL, PRECIPITATION AND OTHER FACTORS DURING THE SPRING AND EARLY SUMMER MONTHS. AS THE SEASON PROGRESSES ACCURACY OF ESTIMATES IMPROVE. IN ADDITION TO EXPECTED STREAMFLOW, RESERVOIR STORAGE, SOIL MOISTURE IN IRRIGATED AREAS, AND OTHER FACTORS ARE CONSIDERED IN ESTIMATING WATER SUPPLY. ESTIMATES APPLY TO IRRIGATED AREAS ALONG THE MAIN STREAMS AND MAY NOT INDICATE CONDITIONS ON SMALL TRIBUTARIES.



Average



Bar charts show approximate water supply for the past two years and the estimate for this year in percent of 1938-52 average.

WATER SUPPLY OUTLOOK

The bar charts on the opposite page represent graphically the most probable water supply outlook for 1957 as compared to the past two years 1955 and 1956. Streamflow and other factors for 1956 have been partially estimated because full data on water supply conditions are not yet available. Estimates of past conditions and forecasts have been made by the authors of this report. For details on water supply conditions on the Colorado River drainage not shown on this map, reference should be made to state snow reports for Utah and Arizona (See Inside Cover).

YAMPA AND WHITE. The water supply on these streams should be adequate for most needs during the 1957 season. Streamflow will be more than that for 1956.

NORTH PLATTE. Streamflow during 1957 in Colorado and Wyoming should be slightly above average and meet all requirements above Seminoe Reservoir. Because of lack of reservoir storage, occasional shortage could occur for some irrigated areas of Eastern Wyoming and Western Nebraska. Of about 465,000 acre-feet in storage in the four major reservoirs on the North Platte in Wyoming 146,000 is assigned to the older North Platte Project. Snow fall during March was above normal. Water supply should be reasonably adequate, if not plentiful, for areas served directly from the North Platte. Water supply outlook for the Laramie improved during March. Some shortages will occur in the Wheatland area but total water supply is expected to be better than for 1956.

POUDRE TO BOULDER. Natural streamflow on these South Platte tributaries will average about normal and 20 percent above 1956. The chart bar includes water available from the Colorado-Big Thompson Project which will be necessary to provide reasonably adequate water supplies. With the heavy snow fall in irrigated areas there may be some opportunity to replenish depleted reservoir storage during the peak of snow melt.

UPPER SOUTH PLATTE--CLEAR CREEK. The seasonal snow pack is 120 percent of normal and about the same as last year. Stream flow should be near average and 20 to 30 percent above that for 1956 near the mountains. Only a limited shortage of water should be experienced in irrigated areas along these streams above Greeley. Storage in municipal reservoirs of the City of Denver is slightly more than for a year ago and 45 percent of normal.

Water supply on the Lower South Platte, particularly between Kersey and Brush will again be short in 1957. There will be more surface water available than in 1956 but rather severe shortages are still indicated.

UPPER COLORADO. The flow of the Upper Colorado River and its tributaries will be slightly above normal in 1957 and 110 to 120 percent of 1956 flow. Inflow to Granby will be about one-fourth higher than for a year ago. Inflow to Green Mountain reservoir will be near normal and slightly above that for 1956. Low elevation snow fall has been much above normal during the winter months and soils in irrigated areas are in good condition. This condition improves the outlook along the smaller tributary streams with limited storage for use in late season. Water supplies that divert directly from the main streams should be adequate.

GUNNISON. Snow pack on the Gunnison River ranges from near normal on Grand Mesa to about 150 percent of normal along the Continental Divide. Water supplies are expected to be adequate for all irrigated areas along the main streams. Stream flow will be slightly above normal, and almost twice that for 1956. The most probable flow of the Uncompahgre River at Colona is about 90 percent of normal.

DOLORES. The flow of the Dolores River is expected to be about 80 percent of normal, about one-third more than that which occurred in 1956. Soil moisture in the irrigated area to the south is good. Water supply outlook is for reasonably adequate water supplies. Limited shortage may occur during the late summer months.

SAN JUAN-ANIMAS. The flow of the San Juan River and its tributaries will be near normal in 1957. Valley soil moisture is excellent. Water supplies will be adequate this year.

ARKANSAS. Snow cover on the mountains of the Upper Arkansas River is still above normal but a little less relatively than early in the season. Stream flow is expected to be near average at Pueblo. It will decrease in respect to average downstream unless there are heavy early summer storms. Continued shortage is expected for the valley below Pueblo but there should be at least 25 percent more water available than in 1956. As of April 1 soils were dry throughout the valley. Improvement has occurred due to precipitation after April 1. Storage is again practically nil for the start of the irrigation season. More valley rainfall is needed.

RIO GRANDE (San Luis Valley). Snow fall along the Continental Divide was above normal during March. Seasonal snow pack ranges up to 140 percent of normal for April 1. The outlook for both the east and west side of the valley is the best for the past four years even if a lot of snow water will be used to replace groundwater and soil moisture deficits. Substantially less pumping should be required.

MIDDLE RIO GRANDE (New Mexico). Stream flow through the Middle Rio Grande Valley should be near three-quarters of normal. Water supply will exceed that available since 1952 but will not fulfill the normal water demands.

LOWER RIO GRANDE. Inflow to Elephant Butte will exceed that for any of the past four years, but total inflow and storage will probably provide less than half of the historical water use along the river in Southern New Mexico and Western Texas. A continued high groundwater use will be necessary. The flow of the river is expected to drop in percent of normal along its course.

ARIZONA

Below average winter precipitation, along with early runoff, will cause very low runoff during the April-May period. The Salt and Verde River systems are predicted to flow 27 percent of normal and the Upper Gila River at 17 percent. The surface water supply outlook is poor. Reservoir storage is about 70 percent of average.

UTAH

Snow pack on the Colorado River drainage in Utah is about normal, ranging from about 80 percent of normal on the Virgin and Duchesne Watersheds to 120 percent of normal on the Price River Watershed. Stream flow is expected to be from 65 to 85 percent of normal on the various tributaries.

SNOW COURSE MEASUREMENTS

April 1, 1957

SNOW COURSE	Snow Depth	Water Content	Years	SNOW COURSE	Snow Depth	Water Content	Years			
	1957 In Inches	In Inches	of Avg. Record		1957 In Inches	In Inches	of Avg. Record			
**										
PLATTE RIVER DRAINAGE										
SWEETWATER RIVER										
Grannier Meadows	44	12.6	17.2	14.1	20	17.5	21.2	16.4	21	
South Pass*	44	13.7	20.0	14.6	17	19.2	26.4	19.1	19	
Larsen Creek	38	13.8	14.8	12.4	7	8.6	8.9	7.9	8	
NO. PLATTE RIVER										
Cameron Pass	84	29.7	30.5	21.8	21	55	15.8	14.3	6	
Park View	43	11.8	8.3	10.6	21	53	15.8	21.5	6	
Columbine Lodge	79	30.1	27.9	23.5	21	61	17.5	21.2	21	
Willow Cr. Pass*	54	16.6	14.8	13.5	19	32	8.6	8.9	8	
Northgate	31	9.2	6.8	--	7	50	15.8	14.3	6	
Bottle Creek	48	17.6	15.1	14.3	21	Clear Creek	53	15.8	21.5	6
Webber Spring	59	22.1	20.2	19.2	21	61	17.5	21.2	21	
Old Battle	96	38.5	34.8	32.3	21	61	17.5	21.2	21	
N. French Creek	102	37.8	31.8	30.1	19	61	17.5	21.2	21	
N. Barrett Creek	72	24.0	21.3	20.4	21	61	17.5	21.2	21	
Ryan Park	51	16.0	10.8	11.7	21	61	17.5	21.2	21	
Spring Creek	NS	NS	--	--	--	61	17.5	21.2	21	
Albany	47	15.8	16.3	14.6	8	61	17.5	21.2	21	
LeBonte	28	7.6	3.3	7.6	7	61	17.5	21.2	21	
Boxelder	31	7.2	4.2	7.2	7	61	17.5	21.2	21	
LARAMIE RIVER										
Roach	74	26.2	25.1	19.5	17	61	17.5	21.2	21	
Deadman Hill*	63	21.2	23.2	15.5	20	61	17.5	21.2	21	
McIntyre	49	15.6	11.9	--	7	61	17.5	21.2	21	
Brooklyn Lake	76	28.7	30.5	22.6	21	61	17.5	21.2	21	
Fox Park	34	7.4	5.9	8.0	21	61	17.5	21.2	21	
Pole Mtn. *	31	9.2	5.8	5.8	20	61	17.5	21.2	21	
Libby Lodge	39	12.6	12.1	10.3	21	61	17.5	21.2	21	
Hairpin Turn	44	14.2	14.6	11.9	21	61	17.5	21.2	21	
Albany	47	15.7	16.3	14.6	8	61	17.5	21.2	21	
POUDRE RIVER										
Cameron Pass	84	29.7	30.5	21.8	21	61	17.5	21.2	21	
Chambers Lake	44	12.8	10.5	8.2	21	61	17.5	21.2	21	
Big South	16	5.0	2.3	2.8	21	61	17.5	21.2	21	
Deadman Hill	63	21.2	23.2	15.5	20	61	17.5	21.2	21	
Lake Irene*	77	27.6	27.9	22.3	19	61	17.5	21.2	21	
Hour Glass Lake	29	8.6	10.8	9.1	17	61	17.5	21.2	21	
Red Feather	34	7.8	11.6	9.7	8	61	17.5	21.2	21	
Lost Lake	54	17.3	13.8	--	6	61	17.5	21.2	21	
BIG THOMPSON RIVER										
Lake Irene*	77	27.6	27.9	22.3	19	61	17.5	21.2	21	
Hidden Valley	39	10.0	15.4	12.5	16	61	17.5	21.2	21	
Deer Ridge	22	5.9	7.5	6.3	8	61	17.5	21.2	21	
Longs Peak	45	15.1	15.4	--	5	61	17.5	21.2	21	
Two-Mile	49	14.0	20.8	--	4	61	17.5	21.2	21	
ST. VRAIN RIVER										
Wild Basin	40	14.2	16.4	14.6	20	61	17.5	21.2	21	
Copeland Lake	17	5.0	5.4	5.7	8	61	17.5	21.2	21	
Ward	20	6.5E	8.1	--	7	61	17.5	21.2	21	
BOULDER CREEK										
University Camp	60	23.5E	29.7	22.6	20	61	17.5	21.2	21	
Moffat	47	15.2	11.6	--	7	61	17.5	21.2	21	
Boulder Falls	35	13.5E	NS	--	--	61	17.5	21.2	21	
PLATTE RIVER DRAINAGE										
CLEAR CREEK										
Loveland Pass	55	17.5	21.2	16.4	21	61	17.5	21.2	21	
Grizzly Peak*	61	19.2	26.4	19.1	19	32	8.6	8.9	8	
Empire	32	8.6	8.9	7.9	8	50	15.8	14.3	6	
Berthoud Falls	50	15.8	14.3	--	6	53	15.8	21.5	6	
Clear Creek	53	15.8	21.5	--	6	61	17.5	21.2	21	
SOUTH PLATTE RIVER										
Hoosier Pass	48	15.3	16.5	12.7	21	61	17.5	21.2	21	
Jefferson Cr.	42	12.1	10.5	9.1	16	61	17.5	21.2	21	
Geneva Park	16	4.1	4.2	4.6	8	61	17.5	21.2	21	
ARKANSAS RIVER DRAINAGE										
ARKANSAS RIVER										
Tennessee Pass	43	12.5	12.6	9.8	21	61	17.5	21.2	21	
Twin Lakes T.	43	14.2	11.2	10.8	21	61	17.5	21.2	21	
La Veta Pass*	26	9.8	3.5	9.7	21	61	17.5	21.2	21	
4 Mile Park	26	7.3	3.4	3.9	21	61	17.5	21.2	21	
Fremont Pass	61	18.2	19.8	16.6	21	61	17.5	21.2	21	
Blue Lakes	32	11.5	4.6	7.0	19	61	17.5	21.2	21	
Monarch Pass	66	25.5	16.9	19.0	16	61	17.5	21.2	21	
Saint Elmo (a)	46	15.2	10.5	1.0	8	61	17.5	21.2	21	
Timberline	NS	29.0	22.5	--	8	61	17.5	21.2	21	
East Fork	43	12.0	12.3	--	5	61	17.5	21.2	21	
Westcliffe	27	9.3	3.9	--	5	61	17.5	21.2	21	
Bourbon	30	10.4	5.1	--	--	61	17.5	21.2	21	
COLORADO RIVER DRAINAGE										
COLORADO RIVER (Above Glenwood Springs)										
Cameron Pass*	84	29.7	30.5	21.8	21	61	17.5	21.2	21	
Phantom Valley	41	13.9	12.2	10.5	21	61	17.5	21.2	21	
Hoosier Pass*	48	15.3	16.5	12.7	21	61	17.5	21.2	21	
Berthoud Pass	55	17.9	16.1	16.1	21	61	17.5	21.2	21	
Tennessee Pass	43	12.5	12.6	9.8	21	61	17.5	21.2	21	
M. Fork Camp Gr.	40	12.1	8.8	10.3	21	61	17.5	21.2	21	
Fiddler Gulch	60	19.8	20.7	16.5	20	61	17.5	21.2	21	
Lulu	61	20.2	22.5	17.7	19	61	17.5	21.2	21	
Willow Creek P.	54	16.6	14.8	13.5	19	61	17.5	21.2	21	
N. Inlet Grand L.	40	14.2	10.2	9.9	19	61	17.5	21.2	21	
Lake Irene	77	27.6	27.9	22.3	19	61	17.5	21.2	21	
Arrow	49	16.6	12.1	10.5	19	61	17.5	21.2	21	
Lapland	42	13.7	11.6	12.0	19	61	17.5	21.2	21	
Fremont Pass	61	18.2	19.8	16.6	21	61	17.5	21.2	21	
Lynx Pass	50	15.8	12.2	13.3	21	61	17.5	21.2	21	
Shrine Pass	69	21.7	22.5	18.4	15	61	17.5	21.2	21	
Grizzly Peak	61	19.2	26.4	19.1	15	61	17.5	21.2	21	
Glen-Mar Ranch	36	10.6	7.6	10.3	10	61	17.5	21.2	21	
Monarch Lake	33	13.6	12.9	12.9	9	61	17.5	21.2	21	
Granby	32	9.9	10.7	8.2	8	61	17.5	21.2	21	
Grand Lake	40	12.9	11.3	9.5	8	61	17.5	21.2	21	
Berthoud Summit	66	20.6	23.0	--	6	61	17.5	21.2	21	
Frazer View	47	14.0	15.8	--	6	61	17.5	21.2	21	
Gore Pass	44	13.5	12.4	--	6	61	17.5	21.2	21	
Frisco	40	11.4	10.2	--	6	61	17.5	21.2	21	
Snake River	38	11.2	11.4	--	6	61	17.5	21.2	21	
Summit Ranch	34	10.4	10.4	--	6	61	17.5	21.2	21	
Vail Pass	69	23.2	25.3	--	5	61	17.5	21.2	21	
Pando	46	13.8	13.9	--	5	61	17.5	21.2	21	
Kokomo	54	16.2	15.4	--	5	61	17.5	21.2	21	
Milner	49	16.4	17.5	--	5	61	17.5	21.2	21	
Blue River	45	11.7	NS	--	--	61	17.5	21.2	21	
Jones Pass	55	17.2	NS	--	--	61	17.5	21.2	21	
Ranch Creek	40	12.0	NS	--	--	61	17.5	21.2	21	
Vasquez Creek	48	15.5	NS	--	--	61	17.5	21.2	21	

* On adjacent drainage

** Courses with less than 15 years record in period 1938-52 have all years prior to 1953 averaged.

NS No Survey

E - Estimated

(a) Air observed

SNOW COURSE MEASUREMENTS

April 1, 1957

SNOW COURSE	Snow Depth Water Content				Years of Record	SNOW COURSE	Snow Depth Water Content				Years of Record								
	1957		In Inches				1957		In Inches										
	In Inches	1957	1956	Avg.			1957	1956	Avg.	1957									
**						**													
COLORADO RIVER DRAINAGE																			
ROARING FORK																			
Ind. Pass Tunnel	67	23.5	19.4	18.7	21														
North Lost Trail	59	23.1	14.9	14.8	20														
Nast	39	10.6	5.8	6.2	20														
Ivanhoe	73	21.6	24.6	18.5	9														
Lift	78	26.4	NS	--	--														
YAMPA RIVER																			
Dry Lake	75	28.5	24.0	20.3	21														
Columbine Lodge*	79	30.1	27.9	23.5	21														
Elk River	55	20.6	17.6	17.4	21														
Lynx Pass*	50	18.8	12.2	13.3	21														
Routt Line	103	39.6	41.5	--	6														
Rabbit Ears	103	38.9	31.9	--	6														
Yampa View	56	20.9	17.0	--	6														
Flat Top	74	26.0	NS	--	--														
Bear River	44	14.6	12.5	--	1														
Clark	42	15.6	15.2	--	1														
Old Battle	96	38.5	34.8	32.7	21														
WHITE RIVER																			
Burro Mountain	64	24.6	17.0	19.1	20														
Rio Bianco	60	24.1	18.0	16.2	21														
PLATEAU CREEK																			
Mesa Lakes	69	22.3	14.9	18.2	20														
Trickle Divide	87	27.6	24.9	29.7	17														
GUNNISON RIVER																			
Crested Butte	59	20.3	15.4	15.2	21														
Park Cone	53	18.5	11.5	10.8	20														
Alexander Lake	72	23.7	20.0	24.1	20														
Ironton Park	55	19.3	13.6	14.4	20														
Trickle Divide	87	27.6	24.9	29.7	17														
Park Reservoir	85	28.5	25.3	27.4	17														
Porphyry Creek	65	23.0	17.4	17.5	17														
Kannah Cr.	83	30.0	17.0	26.8	10														
Lake City	39	11.2	5.5	7.3	8														
Spring Cr. Pass*	39	10.9	10.0	9.5	8														
Cochetopa Pass*	32	7.3	5.6	4.7	8														
McClure Pass	65	23.7	15.0	--	7														
Red Mt. Pass	97	36.2	32.4	--	6														
Blue Mesa	40	13.5	NS	--	--														
SAN JUAN RIVER																			
Wolf Creek Pass*	104	42.0	31.3	31.1	21														
Upper San Juan	109	45.2	34.8	34.6	21														
Granite Peaks	17	7.6	0.0	7.0	16														
La Plata		10.0	--	--	7														
Wolf Creek Summit	106	40.7	32.6	--	6														
Chama Divide*	6	2.2	0.0	2.6	17														
Chamita*	38	13.7	2.8	9.6	15														
ANIMAS RIVER																			
Ironton Park*	55	19.3	13.6	14.4	20														
Cascade	46	18.0	12.1	12.8	21														
Spud Mt.	86	33.4	26.2	--	6														
Molas Lake	57	21.0	11.7	--	6														
Howardville	46	15.0	10.9	--	6														
Mineral Creek	58	19.5	14.3	--	6														
Red Mt. Pass*	97	36.2	32.4	--	6														
DOLORES RIVER																			
Rico		30		10.0	3.4	8.6	21												
Telluride		34		7.4	5.9	7.4	21												
Lizard Head		--		--	13.8	17.1	19												
Trout Lake		58		16.5	14.1	12.9	8												
COLORADO RIVER DRAINAGE																			
DOLORES RIVER																			
Hntngtn-Horseshoe	73		28.1	19.2	26.3	27													
Seeley Creek R.S.	70		22.3	12.8	16.8	27													
SAN RAFAEL RIVER																			
Long Valley Jnct.		0		0.0	0.0	5.5	20												
Harris Flat R.S.		14		6.7	0.0	9.4	26												
Duck Creek R.S.		42		16.6	9.6	17.4	22												
Cedar Breaks		58		21.1	19.2	25.0	22												
Webster Flats		42		15.8	11.0	19.8	30												
VIRGIN RIVER																			
Long Valley Jnct.		0		0.0	0.0	5.5	20												
Harris Flat R.S.		14		6.7	0.0	9.4	26												
Duck Creek R.S.		42		16.6	9.6	17.4	22												
Cedar Breaks		58		21.1	19.2	25.0	22												
Webster Flats		42		15.8	11.0	19.8	30												
COLORADO R. (S. E. UTAH)																			
LaSal Mt.		36		12.8	5.8	11.5	26												
Buckboard Flat		52		14.7	8.4	15.3	27												
PRICE RIVER																			
Indian Canyon*		34		11.0	9.1	11.4	27												
Gooseberry Res.		66		23.5	17.7	20.8	29												
Staley Ranch		29		10.6	NS	6.6	20												
Dry Valley Divide		38		13.7	9.5	10.8	22												
Hntngtn-Horseshoe		73		28.1	19.2	26.3	27												
Mud Creek		56		22.6	17.5	22.6	8												
DUCESNE RIVER																			
Lake Fork Mt.		37		10.4	15.0	13.8	26												
Paradise Park		48		11.0	15.9	13.7	25												
Mosby Mt. (L)		40		9.2	NS	12.4	26												
Brown Duck Lake		NS		NS	21.5	20.6	12												
Indian Canyon		34		11.0	9.1	11.4	27												
UPPER GREEN RIVER (UTAH)																			
Hewinta R.S.		35		9.4	9.5	9.9	23												
Hole-in-Rock		28		7.0	4.4	6.4	26												
King's Cabin (U)		40		9.5	10.0	11.4	27												
King's Cabin (L)		35		8.1	8.3	10.4	27												
GREEN RIVER (WYOMING)																			
Dutch Joe		34		9.2	9.4	8.2	17												
Mulligan Park		35		10.4	12.0	10.8	21												
Kendall R.S.		31		12.1	14.6	11.1	20												
Loomis Park		54		18.1	26.4	18.7	20												
Snyder Basin R.S.		46		14.5	19.6	13.9	21												
Piney-LaBarge		57		19.1	26.2	18.5	20												
GILA RIVER																			
Frisco Divide		0		0.0	0.0	0.6	19												
State Line		0		0.0	0.0	0.6	19												
Taylor Creek		0		0.0	0.0	0.1	15												
Inman		0		0.0	0.0	0.1	11												
Nutrioso		0		0.0	0.0	0.6	19												
Beaver Head		0		0.0	0.0	1.0	19												
Coronado Trail		0		0.0	0.0	1.5	19												
Rose Canyon		0		0.0	0.0	0.7	9												
Bear Wallow		0		0.0	0.0	2.2	9												

* On adjacent drainage

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SNOW COURSE MEASUREMENTS

April 1, 1957

SNOW COURSE	Snow Depth	Water Content			Years of Record	SNOW COURSE	Snow Depth	Water Content			Years of Record			
	1957 In Inches	1957	1956	Avg.			1957 In Inches	1956	Avg.					
**														
COLORADO RIVER DRAINAGE														
SALT RIVER (Arizona)														
Forest Dale	0	0.0	0.0	0.0	18	RIO GRANDE IN COLORADO	Pyramid	34	11.0	9.1	9.8	8		
McNary*	0	0.0	0.0	0.2	18		Spring Creek	39	10.9	6.9	9.5	8		
Nutrioso *	0	0.0	0.0	0.6	19		Pool Table	24	6.9	2.8	5.5	8		
Coronado Trail	0	0.0	0.0	1.5	19		L. Humphreys	26	7.5	2.9	5.6	8		
Milk Ranch	0	0.0	0.0	0.0	16		Cochetopa Pass	32	7.3	5.6	4.7	8		
Workman Creek	0	0.0	0.0	5.9	5		Red Mt. Pass*	98	36.2	32.4	--	6		
Maverick Fork	14	6.7	T	1.5	7		Porcupine	44	12.6	8.1	--	5		
Baldy*	0	0.0	0.0	4.9	7		Wolf Creek Summit	106	40.7	32.6	--	6		
Fort Apache *	10	3.9	2.3	6.7	7		Hiway	96	36.0	29.4	--	1		
Pacheta	0	0	0.0	4.9	5		Pass Creek	49	17.7	10.2	--	1		
VERDE RIVER (Arizona)														
Iron Springs*	0	0.0	0.0	0.0	11	ALAMOSA RIVER	Silver Lakes	31	10.7	6.2	4.9	20		
Camp Wood	0	0.0	0.0	0.0	11		Summitville	83	27.4	18.0	21.7	17		
Mingus Mountain	0	0.0	0.0	0.0	10	CONEJOS RIVER	River Springs	34	11.2	5.1	7.6	20		
Mormon Lake*	0	0.0	0.0	8.4	10		Cumbres Pass	76	32.6	18.0	22.9	21		
Fort Valley*	0	0.0	0.0	1.9	10		Platoro	66	23.8	15.3	18.2	8		
Chalender*	0	0.0	0.0	2.8	10		West Conejos	40	13.2	8.3	8.1	8		
Munds Park	0	0.0	0.0	--	4		La Manga	68	23.8	18.1	21.9	8		
Casner Park	0	0.0	T	--	4	SANGRE DE CRISTO RANGE (COLORADO)	La Veta Pass	26	9.8	3.5	9.7	21		
Mormon Mt.	0	0.0	T	11.1	5		Culebra	41	12.7	3.8	11.7	17		
Happy Jack	0	0.0	NS	3.4	5	CHAMA RIVER	Cumbres Pass	76	32.6	18.0	22.9	21		
LITTLE COLORADO RIVER (Arizona)														
Forest Dale	0	0.0	0.0	0.0	18		Payrole	33	11.3	1.3	9.7	17		
McNary	0	0.0	0.0	0.2	18		Chama Divide	6	2.2	0.0	2.6	17		
Nutrioso	0	0.0	0.0	0.6	19		Chamita	38	13.7	2.8	9.6	15		
Mormon Lake	0	0.0	0.0	8.4	10		Bateman	48	17.0	8.6	--	7		
Fort Valley	0	0.0	0.0	1.9	10	PECOS RIVER	Panchuela	0	0.0	0.0	2.2	20		
Mormon Mt.	0	0.0	T	11.1	5		Big Tesuque	15	5.8	0.0	5.4	15		
Happy Jack*	0	0.0	NS	3.4	5		Rio En Medio*	30	11.1	0.0	--	7		
Gentry	0	0.0	0.4	--	4	RIO GRANDE IN NEW MEXICO	Red River	32	11.1	1.6	7.9	20		
Heber	0	0.0	0.6	--	4		Taos Canyon	10	3.5	1.7	5.7	18		
Canyon Creek	0	0.0	0.9	--	4		Aspen Grove	12	4.3	0.0	3.4	20		
WILLIAMS RIVER (Arizona)														
Iron Spr	0	0.0	0.0	0.0	11		Hematite Park*	18	7.6	0.6	5.2	19		
Camp Wood*	0	0.0	0.0	0.0	11		Tres Ritos	18	7.2	0.5	5.2	19		
Willow Ranch	0	0.0	0.0	0.0	11		Payrole	33	11.3	1.3	9.7	17		
LOWER COLORADO RIVER (Arizona)														
Bright Angel	27	12.9	2.9	9.3	10		Cordova	48	15.7	6.3	12.8	15		
Grand Canyon	0	0.0	0.0	1.5	10		Big Tesuque	15	5.8	0.0	5.4	15		
Fort Valley	0	0.0	0.0	1.9	10		Elk Cabin	2	1.3	0.0	0.7	8		
Chalender*	0	0.0	0.0	2.8	10		Rio En Medio	30	11.1	1.4	--	7		
RIO GRANDE DRAINAGE														
RIO GRANDE IN COLORADO														
Wolf Creek Pass	104	42.0	31.3	31.1	21		Quemazon	32	9.8	4.2	--	7		
Upper Rio Grande	29	9.5	4.4	7.0	19		Fenton Hill	3	1.2	0.4	--	5		
Santa Maria	22	7.6	2.8	4.7	18	CANADIAN RIVER	Hematite Park	18	7.6	0.6	5.2	20		
Ft. Garland	0	0.0	0.0	2.7	17		Tres Ritos	18	7.2	0.5	5.2	19		
RIO GRANDE IN NEW MEXICO														
* On adjacent drainage							Cordova	48	15.7	6.3	12.8	15		
** Courses with less than 15 years record in period 1938-52 have all years prior to 1953 averaged.														
NS No Survey														

* On adjacent drainage

** Courses with less than 15 years record in period 1938-52 have all years prior to 1953 averaged.

NS No Survey

STATUS OF RESERVOIR STORAGE

April 1, 1957

RESERVOIR	USABLE	1,000 A.F. Storage,			RESERVOIR	USABLE	1,000 A.F. Storage,							
	CAPACITY	1000 A.F.	1957	1956		CAPACITY	1000 A.F.	1957	15-yr. Avg.					
NORTH PLATTE DRAINAGE														
Kingsley	1900.0	640.0	923.4	1182.4*	Twin Lakes	57.9	8.4	15.9	25.2					
Sutherland	70.0	55.5	53.2	51.1	Sugar Loaf	17.4	5.0	7.2	8.1					
Minatare	58.8	23.6	20.6	23.8	Clear Creek	11.4	5.4	4.2	5.1					
Alcova	166.0	171.7	169.6	91.1	Meredith	41.9	0	0.0	18.5					
Seminoe	970.0	270.3	267.8	305.4*	Horse Creek	26.9	0	0.0	9.1					
Guernsey	44.3	5.9	37.4	40.1	Adobe Creek	61.6	0	0.0	26.4					
Pathfinder	140.5	318.2	469.4	456.1	Cucharas	40.0	0.6	11.6	6.1					
SOUTH PLATTE DRAINAGE														
Windsor	18.6	4.5	8.4	11.1	John Martin	655.0	3.8	44.0	78.6*					
Cache la Poudre	9.5	5.3	5.2	6.8	Great Plains	150.0	0	0.0	52.0					
Fossil Creek	11.6	3.2	5.1	7.5	Model	15.0	0.6	2.1	3.7					
Terry Lake	8.2	4.2	4.0	4.5	Conchas (NM)	600.0	154.4	261.3	261.7*					
Halligan	6.4	4.1	4.0	1.9	COLORADO DRAINAGE									
Chambers Lake	8.8	1.9	2.1	2.7	Taylor Park	106.2	25.3	40.6	63.3					
Cobb Lake	34.3	0.7	0.0	4.7	Vallecito	126.3	22.6	48.2	38.7*					
Black Hollow	8.0	2.6	0.9	3.4	Groundhog	21.7	2.0	4.0	9.1					
Horsetooth	143.5	101.3	79.3	-- *	Granby	467.5	112.0	105.3	136.2*					
Lake Loveland	14.3	8.0	7.2	4.4	Green Mountain	146.3	57.9	48.2	56.4*					
Boyd Lake	44.0	5.4	0.0	15.5	Lake Mead	27,207.0	11,502.0	10720.0	18,493.00					
Lone Tree	9.2	2.7	9.0	6.2	Lake Havasu	688.0	639.2	616.0	578.3					
Mariano	5.4	4.0	0.7	2.5	Lake Mohave	1,810.3	1,689.7	1718.0	1,113.9					
Carter Lake	112.4	74.9	56.3	-- *	RIO GRANDE (COLO) DRAINAGE									
Union	12.7	2.3	1.6	7.1	Rio Grande	45.8	5.4	6.5	16.7					
Eleven Mile	81.9	24.4	24.4	75.7	Santa Maria	45.0	3.3	3.1	9.9					
Cheesman	79.0	25.0	25.0	56.6	Sanchez	103.2	5.7	13.5	13.2					
Marston	18.9	13.4	13.4	15.3	Terrace	17.7	1.5	2.2	3.7					
Antero	33.0	0	0.0	14.0	Continental	26.7	3.8	3.7	7.5					
Barr Lake	32.2	10.5	18.2	20.8	Platoro	60.0	0	0.0	-- *					
Milton	24.4	0	1.8	11.9	RIO GRANDE (N. M.) DRAINAGE									
Standley	18.5	6.3	9.0	12.1	Elephant Butte	2,273.7	67.6	186.8	878.9					
Marshall	10.3	0.9	1.6	2.9	Caballo	365.0	4.3	10.7	171.2					
Horse Creek	20.6	1.2	12.5	9.8	El Vado	226.0	0.3	0.3	46.6					
Riverside	57.5	26.3	27.6	46.6	Alamogordo	128.0	2.0	85.8	56.8					
Empire	37.7	25.8	18.2	30.4	McMillan-Avalon	37.0	20.5	37.0	16.7					
Jackson Lake	35.4	34.3	34.1	33.4	SALT AND GILA DRAINAGE									
Prewitt	32.8	0	0.0	22.4	Roosevelt	1,382.0	159.5	229.0	516.9					
Point of Rocks	70.0	33.6	45.0	57.3	Horse Mesa	245.1	162.1	231.0	194.5					
Julesburg	28.2	22.2	21.5	21.5	Mormon Flat	58.0	50.1	56.0	43.7					

*Shorter Period

VALLEY PRECIPITATION^{1/}Division Averages and Departures^{3/}

DRAINAGE DIVISIONS	Fall		Winter	
	Sept. - Oct. - Nov.	Dept.	Dec. Thru March	Dept. ^{2/}
North Platte River, Wyo.	2.16	-1.72	1.94	-.27
South Platte River	2.98	-1.39	2.00	/.30
Arkansas River	3.52	-2.42	2.10	/.10
Colorado River	3.18	-2.81	6.26	/.201
Green River, Wyo.	1.55	-1.43	1.38	-.20
San Juan River, N. M.	1.74	-3.53	3.84	/.1.21
Colorado River, Ariz.	2.42	-2.48	4.15	/.32
Gila River, Arizona	.65	-1.98	1.89	-.66
Canadian River, N. M.	2.28	-4.49	1.09	-.56
Rio Grande, Colorado	2.05	-2.26	1.77	/.35
Rio Grande (N.), N. M.	2.27	-4.02	3.89	/.69
Rio Grande (S.), N. M.	1.80	-2.72	1.14	-.26
Pecos River, N. M.	2.72	-4.12	1.67	-.26

^{1/} Preliminary analysis by U. S. Weather Bureau from data furnished by Meteorological Service & U. S. Weather Bureau

^{2/} Departure from average

^{3/} Selected Stations

SOIL MOISTURE MEASUREMENTS

STATION	Percent Available Soil Moisture on April 1		
	1957	1956	1955
NORTH PLATTE			
Columbine Lodge	19	19	37
Willow Creek	21	35	42
SOUTH PLATTE			
Red Feather	12	18	4
Chambers Lake	10	25	50
Deer Ridge	13	20	5
Hidden Valley	34	44	80
Longs Peak	3	26	20
University Camp	12	15	9
Berthoud Falls	0	29	3
ARKANSAS			
Leadville	33	35	12
UPPER COLORADO			
Vail Pass	--	105	70
ROARING FORK			
Placita	--	101	--
Maroon	--	41	32
RIO GRANDE (Colorado)			
Bristol View	0	--	4
Wolf Creek Pass	5	44	36
River Springs	44	36	2
RIO GRANDE (N. M.)			
Red River	2	34	--
Tres Ritos	55	75	98
Tres Piedras	100	75	60

Federal - State - Private
COOPERATIVE SNOW SURVEYS

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